

North Coast Regional Water Quality Control Board

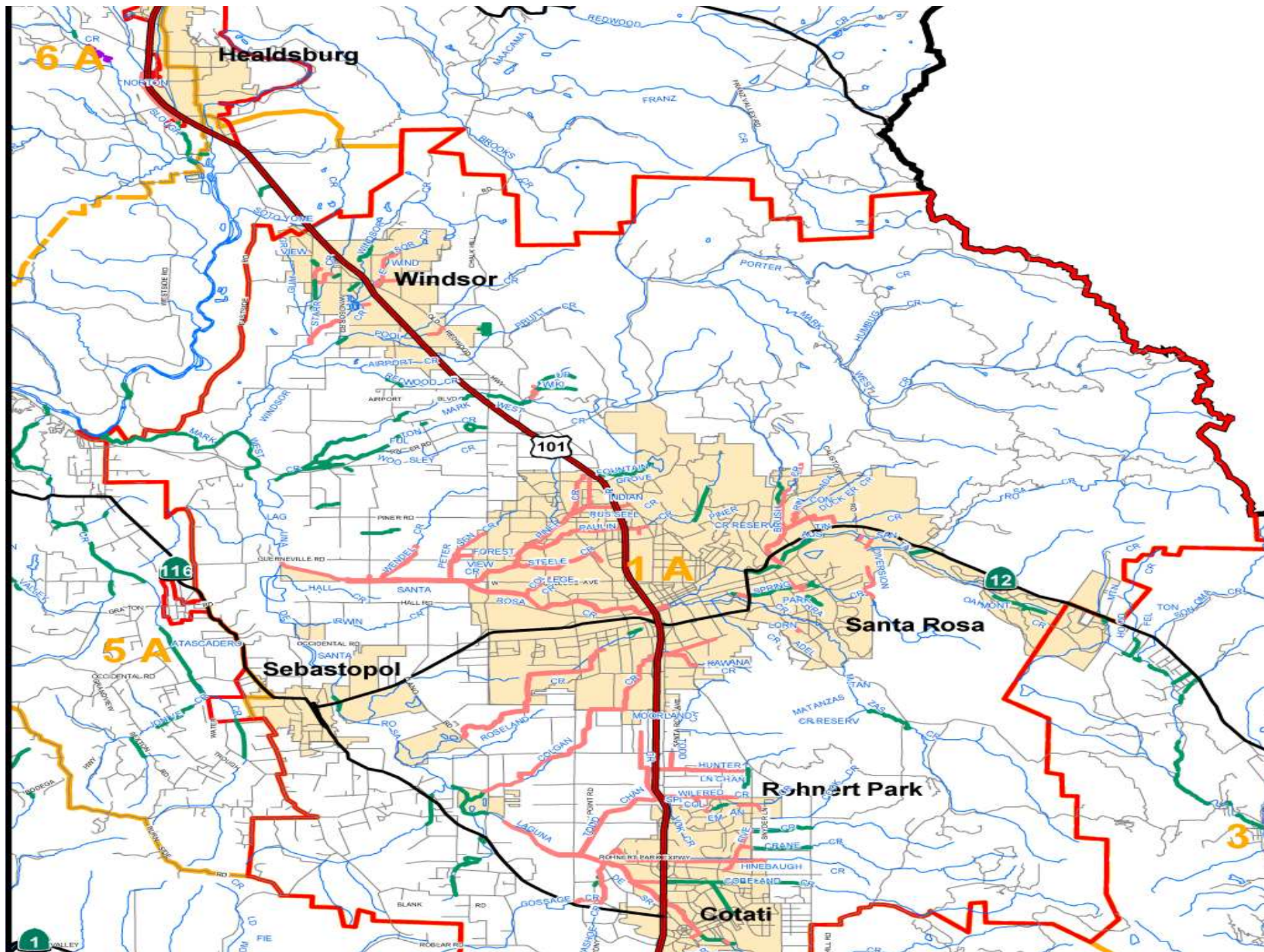
March 10, 2010

Municipal Storm Water Program

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Water Resources Control Engineer

CGP and MS4 Permits

- Construction inspections
 - Municipalities inspect to verify compliance with their storm water ordinances
 - Santa Rosa/Sonoma County wet weather (November 1st – April 30th) grading restrictions
 - State inspects to verify compliance with CGP
- Post-construction BMPs
 - CGP requirements or MS4 requirements if approved program
 - RB1 has one approved program: Santa Rosa/Sonoma County



New MS4 Permit Adopted

- Co-Permittees: Santa Rosa, Sonoma County, SCWA
- Adopted: October 1, 2009
- Requires Low Impact Development
 - 10,000 ft² of new impervious surface
 - Landscape-based treatment with volume capture
 - If not feasible, meet with RB1

Post-Construction BMP Prioritization

- Green roofs and bioretention BMPs without underdrains: rain gardens, planters, swales
- Other LID BMPs without underdrains: pervious pavement, rain barrels, infiltration and dispersal

Post-Construction BMP Prioritization

- Requires meeting with RB1
 - LID BMPs with underdrains: flow-through planters
 - Modular/proprietary LID/bioretention BMPs
 - Other BMPs used with LID BMPs or approved offset project

Vegetated Roofs



Vegetated Roof - Before and After



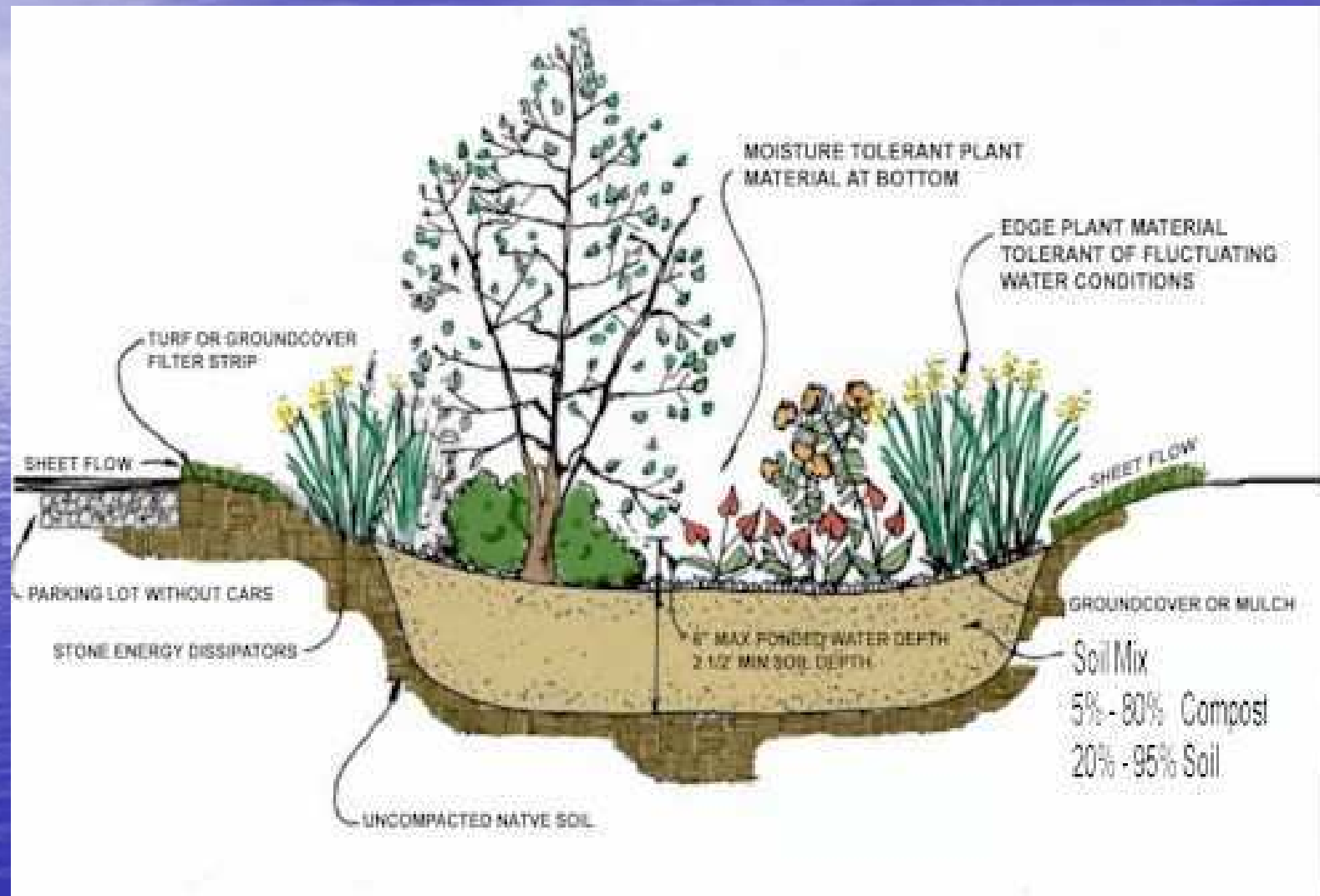
Infiltration Planters



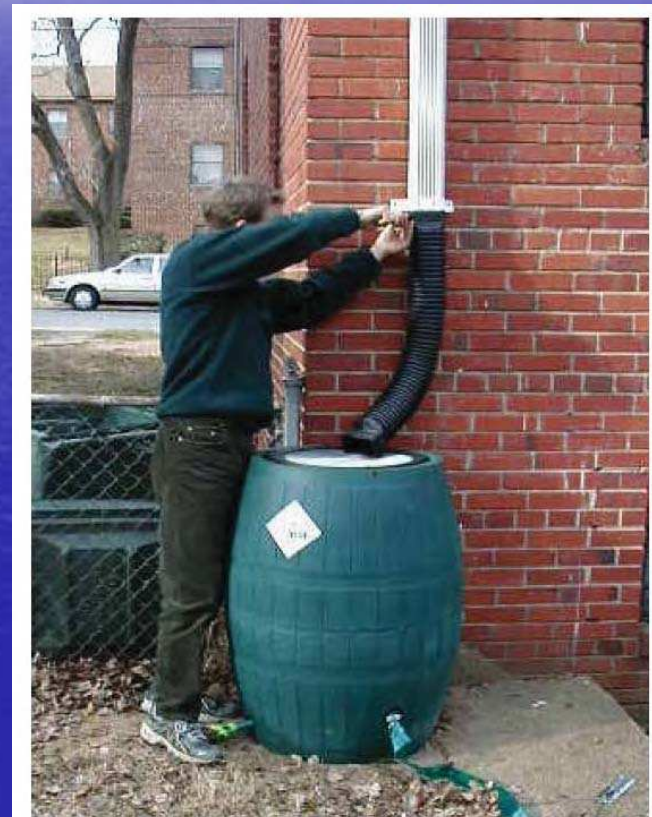
Vegetated Infiltration Basins



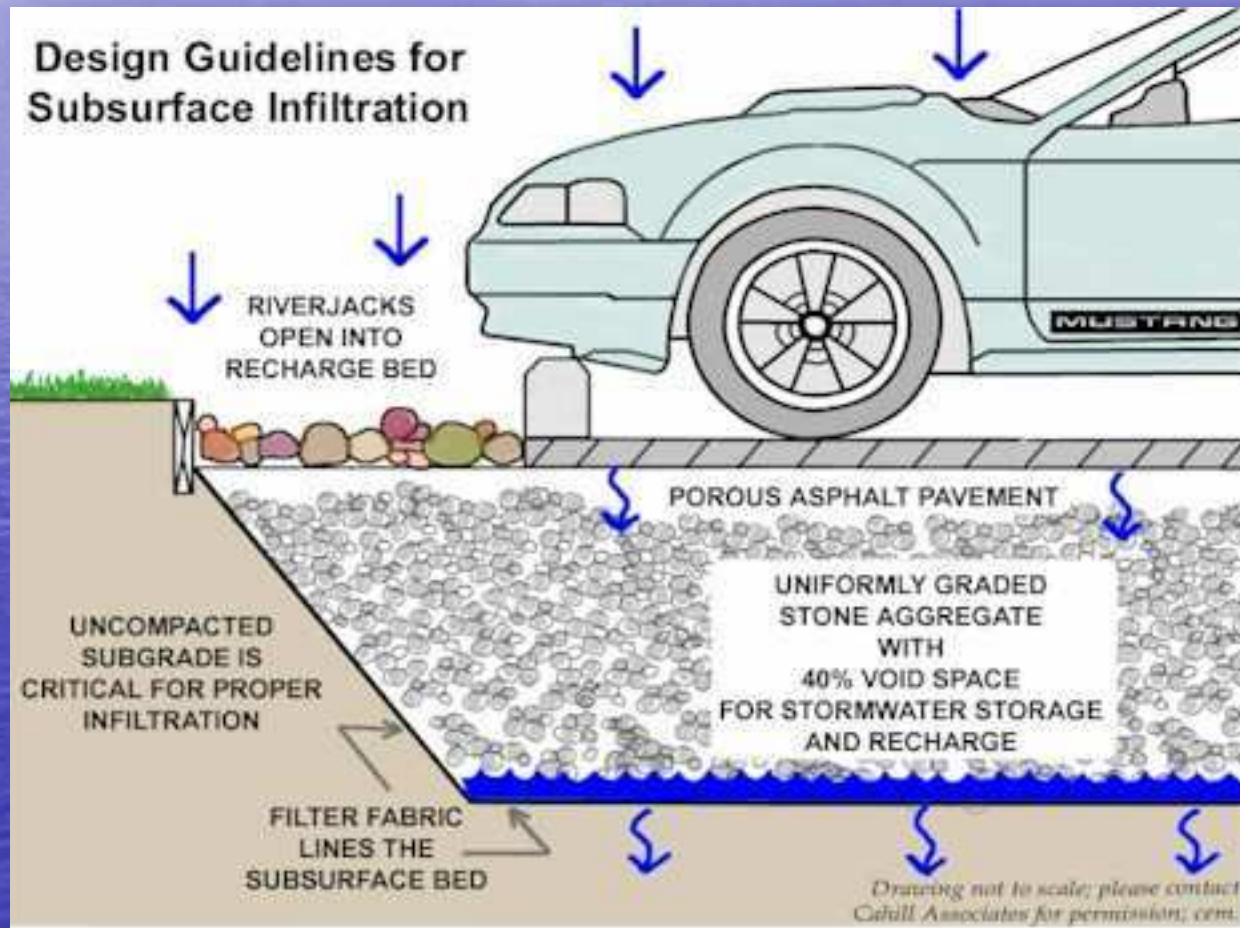
Rain Garden



Rain Barrels



Porous Asphalt



References

- Pennsylvania Stormwater BMP Manual December 30, 2006
- City of Philadelphia Stormwater Guidance Manual, Version 2.0
- Portland Stormwater Management Manual, Revised September 1, 2004

For more info on local requirements: <http://ci.santa-rosa.ca.us/departments/utilities/stormwatercreeks/swpermit/Pages/SWP-ERMITCOMPLIANCE.aspx>